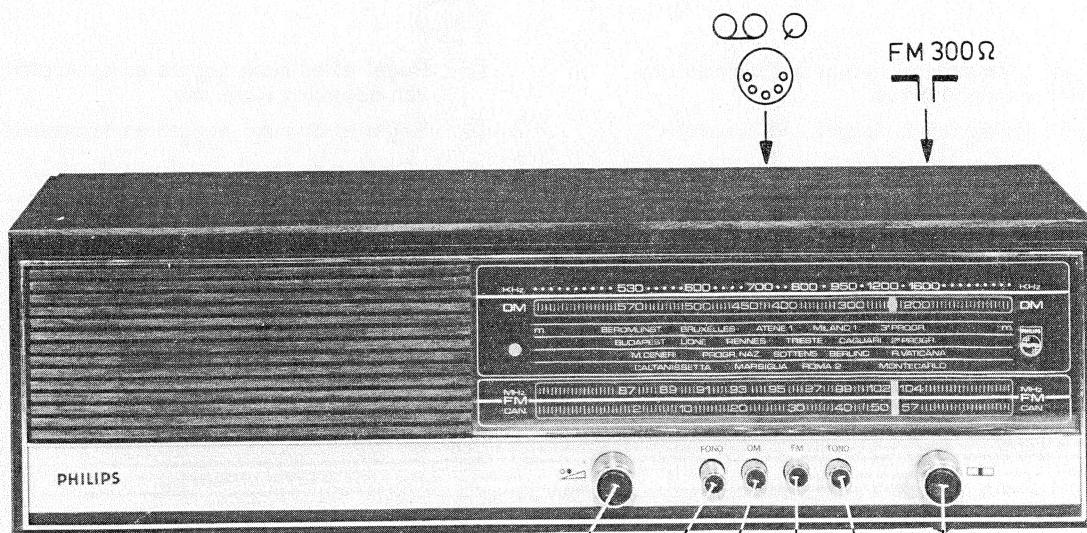
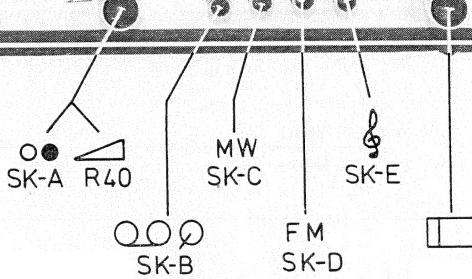


Service
Service
Service

Service Manual



MW: 520 - 1600 kHz
 FM: 87.5 - 104 MHz
 IF-AM:-/00 452 kHz
 -/22 460 kHz
 IF-FM: 10.7 MHz
 P max = 2.5W
 MAINS SUPPLY 220V



6213A

Safety regulations require that the set be restored to its original condition
and that parts which are identical with those specified, be used.



Wave range SK	Signal to		Var.cap.	Adjust	Indication		
FM(87.5-104 MHz)	10.7 MHz ($\Delta f = 100$ kHz)	◇	Min.cap.	S1	Max.	①	
				S2	②		
	87 MHz	◇	Trimming point A	S10	Max.	②	
				S8	Max.		
	104 MHz	◇	Trimming point B	C62	Max.	②	
				C61	Max.		
MW(520-1600 kHz)	452/460 kHz	◇	Min.cap.	S3	②	③	
				S4			
	523 kHz		Trimming point A	S5	Max.		
				S7			
	1475 kHz		Trimming point B	C63			
				C60			

GB

- ① Adjust for maximum height and symmetry of the response curve.
- ② Adjust for maximum height and symmetry

NL

- ① Regel af op max. hoogte en symmetrie van de doorlaatkromme.
- ② Regel af op max. hoogte en symmetrie

F

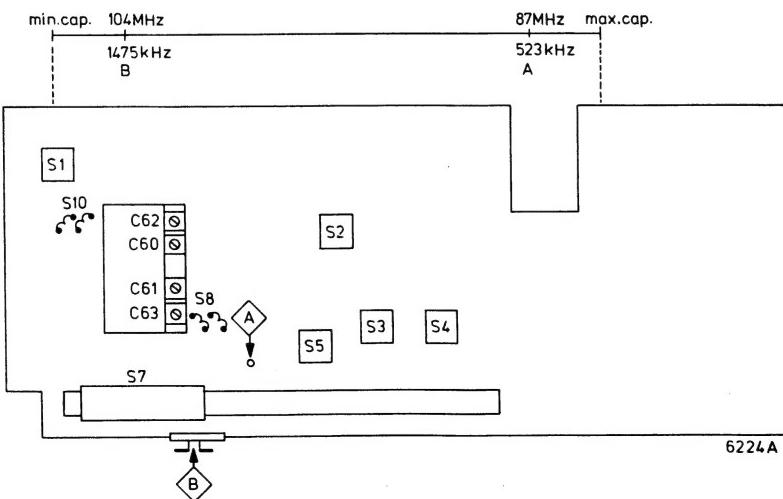
- ① Ajuster sur symétrie et hauteur maximale de la courbe de réponse.
- ② Ajuster sur symétrie et hauteur maximale

D

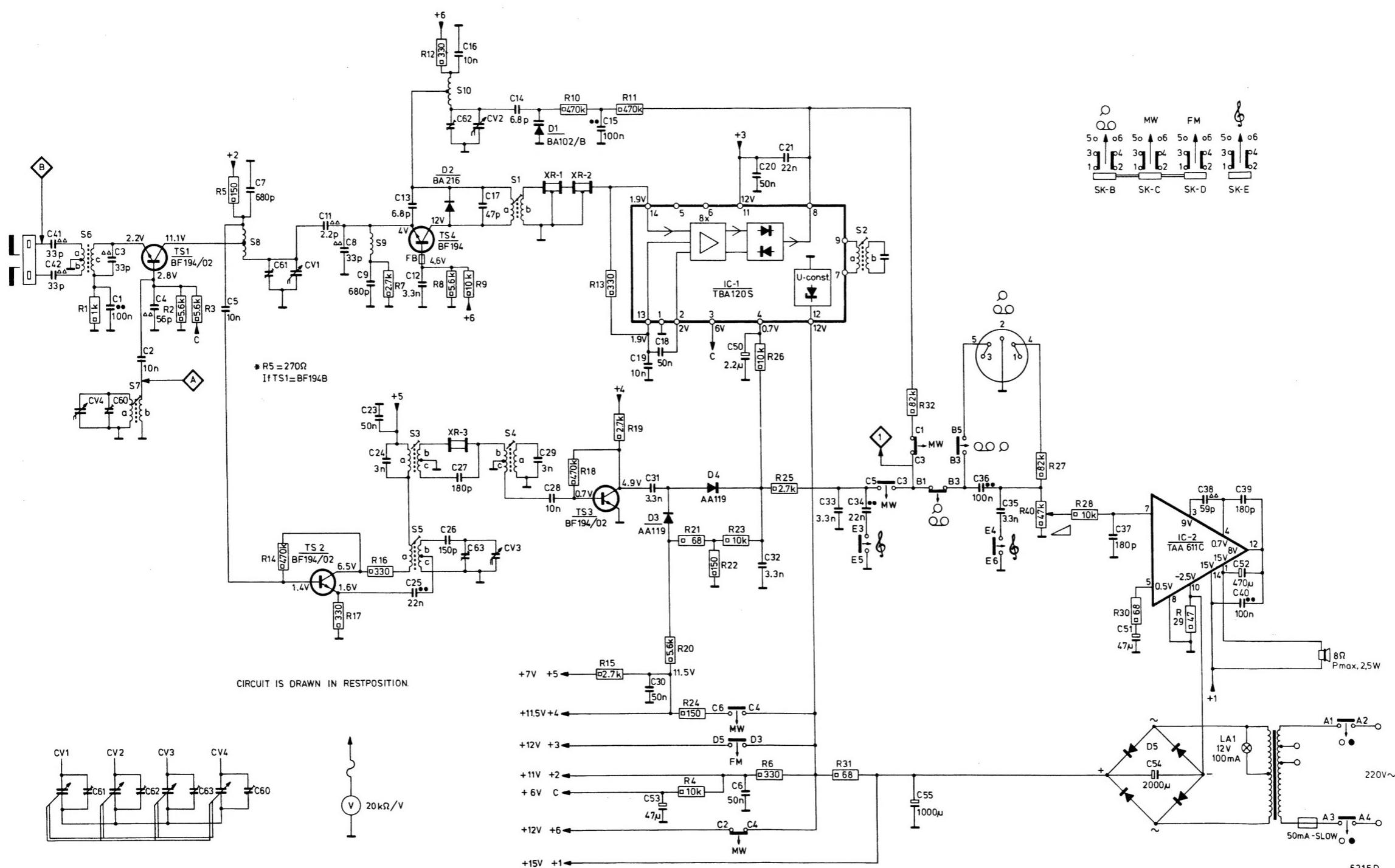
- ① Justiere auf maximale Höhe und Symmetrie der Durchlasskurve.
- ② Justiere auf maximale Höhe und Symmetrie.

I

- ① Regolare per altezza e simmetria della curva di risposta.
- ② Regolare per altezza e simmetria.



C	41 42	CV4	31 60	2 4	5	61	CV1	7	11 8	9	13 24	25	62 27	63	CV3	29 28	10	13 11	15	19 18	50 20	21	22	36 35	55 37	51	38 39	52 40	C	
C																											C			
R	1		2 3	5							7	12 8	9							6	32						R			
R					14						16									10	13 11	20 21	24 4	22 2 3 6	25	31	32	R		
MISC.	S6	S7	TS1	S8			S9	TS4	S10	D2	S1	D1	XR-1	XR-2					IC-1					27 40	28	30	29		MISC	
MISC.																			TS3	D3	D4							D5	LA1	MISC



CIRCUIT IS DRAWN IN RESTPOSITION.

- Carbon resistor E24 series 0.125 W 5 %
- △△ Plate ceramic capacitor
- || Flat-foil polyester capacitor

MISC	TS4,D2	VC,XR-1 D1	TS1,XR-2	SK-E	IC-1	TS2,SK-D	SK-C	D4,XR3,SK-B,D3	TS3	D5	IC-2
S	9 1 10		8 6		5 2	3		4			
C	13 12,8..11,16,14		1 26	35,3,7,6,19	4 18,20,15,5,2,53,25,50,21		24,23,34,30,33,23,31,27..29,36			54	51 37 55 38
R	9 12 7,8		10 1	13,6,5,4	3,2	11 3,2	14..17,26,24,20,19,25	23,27,18,22,21,31		29 30 28	52 39 40

TS 4
e = 4V
b = 4.6V
c = 12V

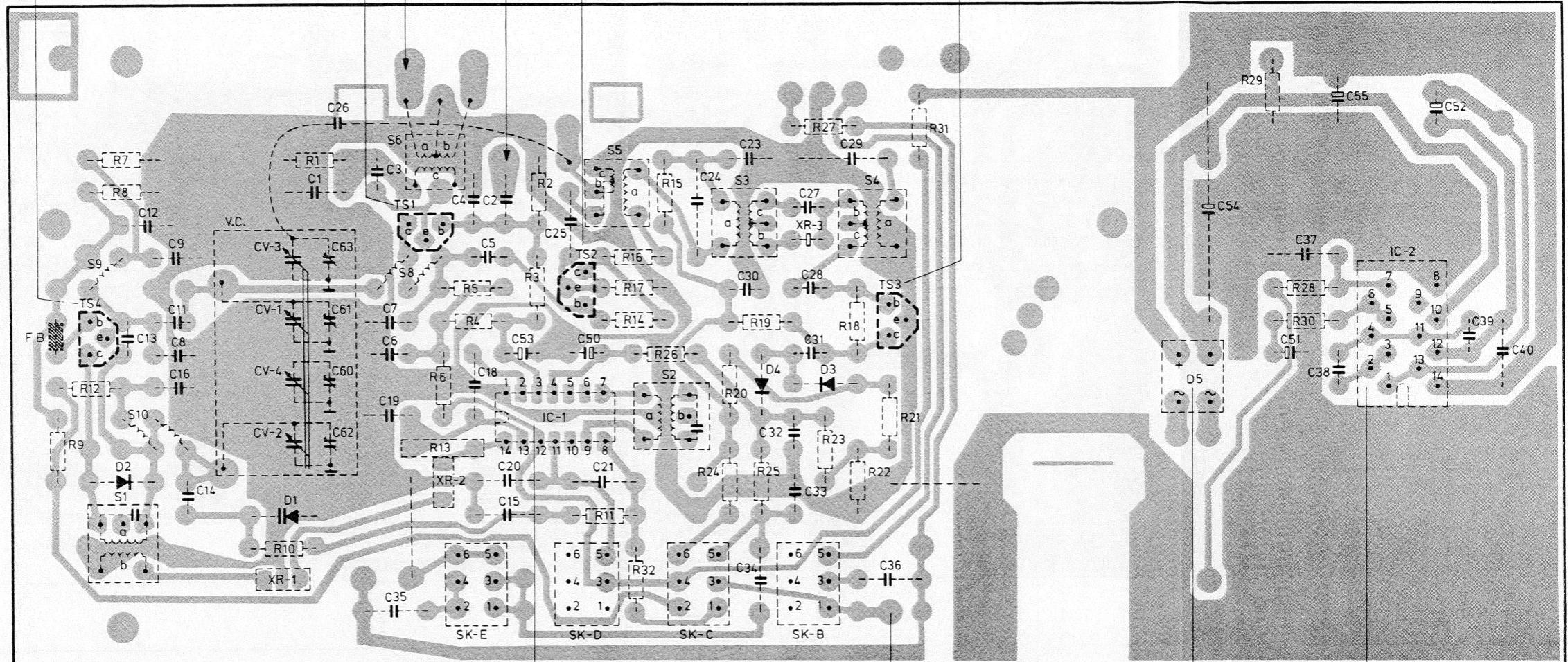
TS 1
e = 2.2V
b = 2.8V
c = 11.1V

B

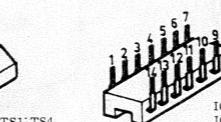
A

TS 2
e = 1.6V
b = 1.4V
c = 6.5V

TS 3
e = 0V
b = 0.7V
c = 4.9V



IC-1
1=0V
2=2V
3=6V
4=0.7V
11=12V
12=12V
13=1.9V
14=1.9V



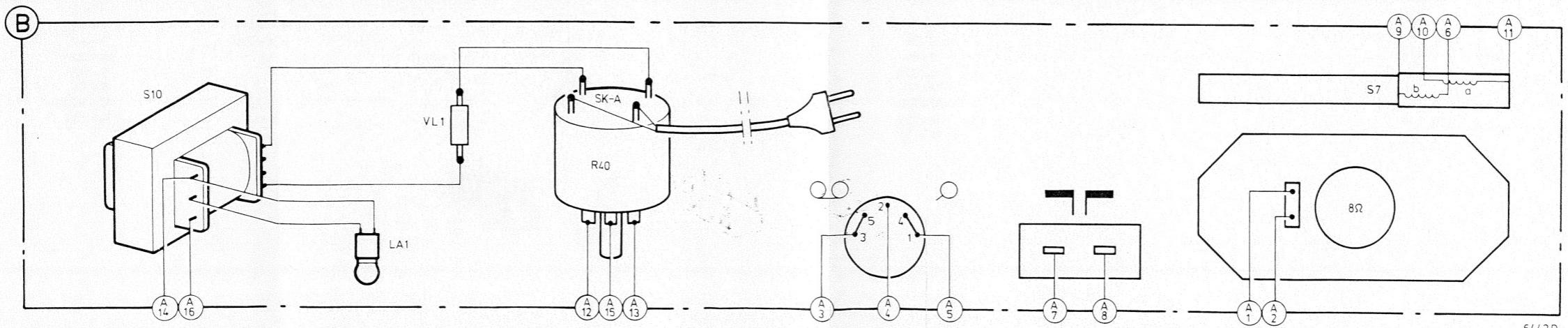
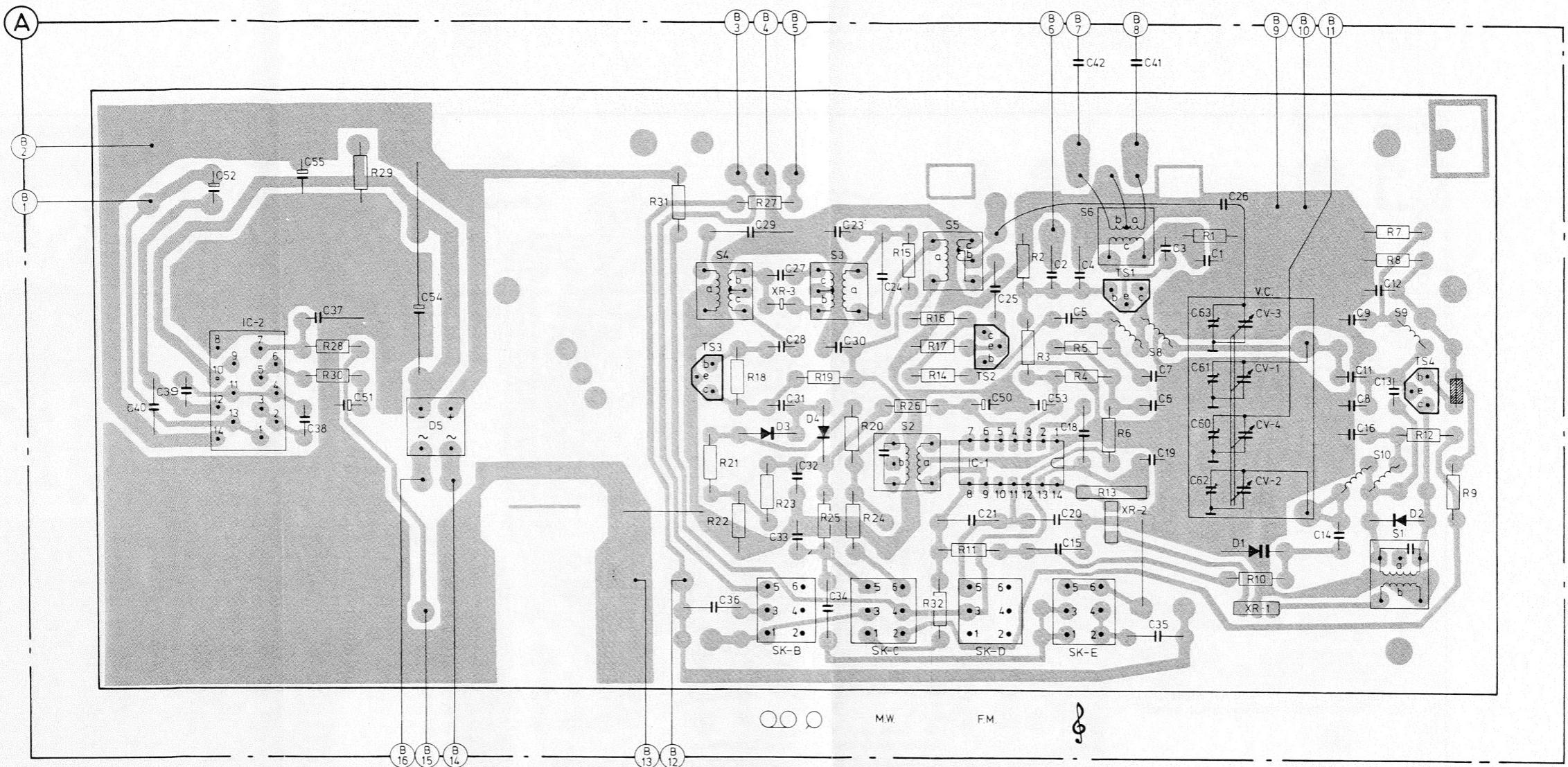
D 5
+ = + 15V
- = - 2.5V

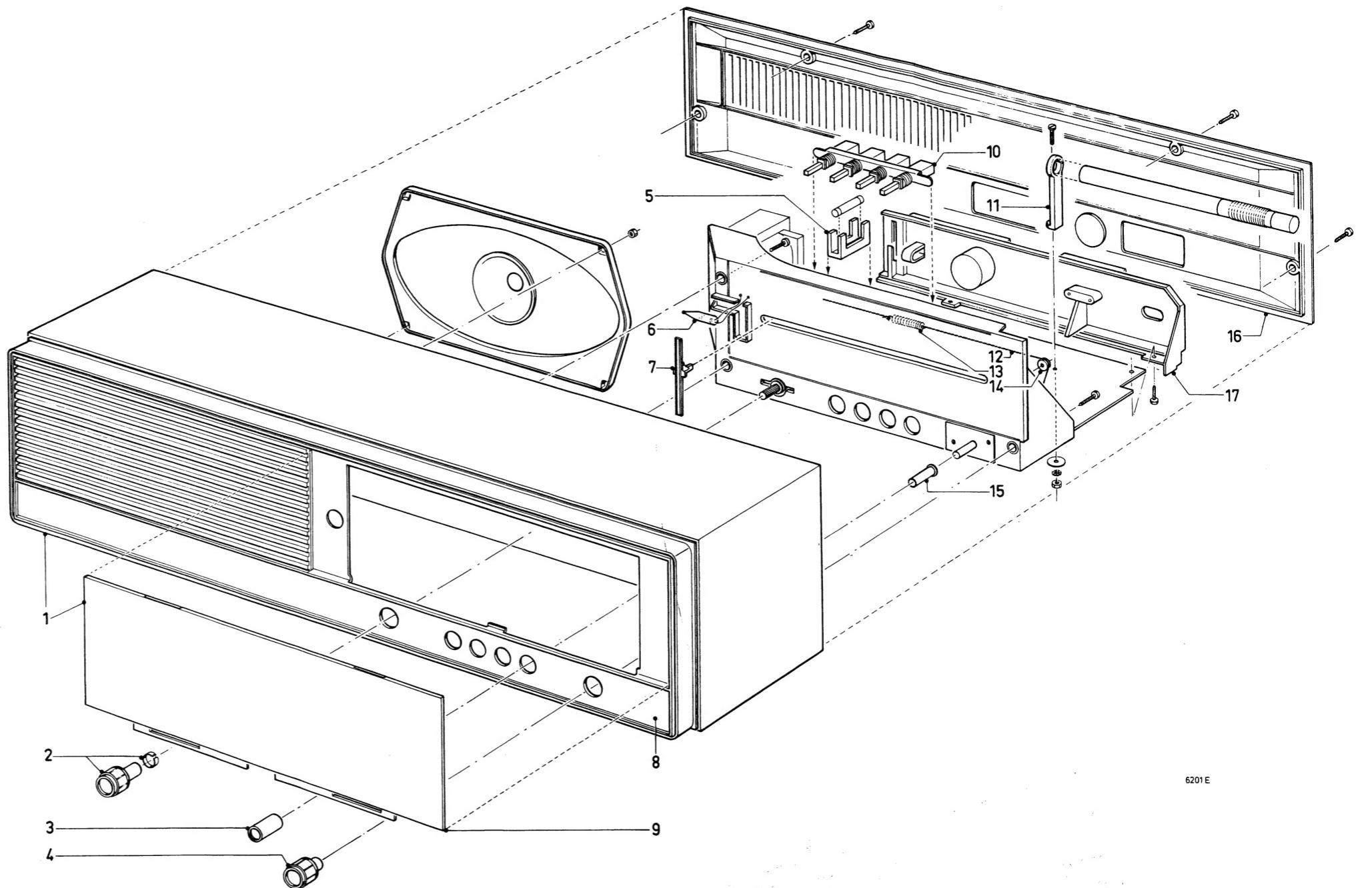
IC-2
1 = 15V
3 = 9V
4 = 0.7V
5 = 0.5V
8 = 0V
10 = - 2.5V
14 = 15V

6443D

CS52504

MISC	S10	IC-2	LA1	D5	VL1	TS3	XR-3	D3, 4	SK-B	SK-C	TS2	SK-D	IC-1	SK-E	XR-2	TS1	V.C.	D1	XR-1	S7	D2	TS4		
S	40	39	52	38	55	37	51	54	4	3	2	5	6	8	10, 1	9								
C						36	29, 27, 28, 31	34	23, 30	24	21, 50, 25	53, 15, 20, 2, 5, 4, 18, 42	41, 19, 35, 37, 6	126	14, 16, 8, 9, 11, 13, 12									
R						40	31	21, 22, 18, 27, 23	25, 19, 20, 24, 26, 16	17	14	32, 11	2	3	5	4	6	13	1	10	7	8	12	9





MECHANICAL PARTSLIST

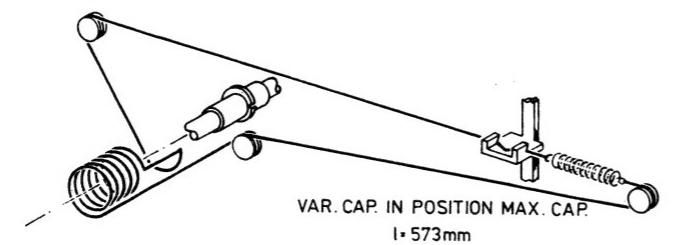
- 1 4822 425 50099
- 2 4822 413 30621
- 3 4822 410 21609
- 4 4822 413 30622
- 5 4822 256 30128
- 6 4822 134 40243
- 7 4822 450 80426
- 8 4822 454 10424
- 9 4822 333 60145
- 10 4822 276 40187
- 11 4822 404 20181
- 12 4822 321 30214
- 13 4822 492 31244
- 14 4822 532 60614
- 15 4822 532 60613
- 16 4822 436 20014
- 17 4822 267 20159

6201E

CS52506

LIST OF ELECTRICAL PARTS

Miscellaneous	-S-	
Mains transformer	S1,2	FM-IF coil 4822 153 60099
Variable capacitor	S3,4	AM-IF coil 4822 153 20218
Ferroceptor	S5	Osc. coil 4822 156 40626
Ceramic resonator 10.7 MHz pair	S6	Aerial adaptor coil 4822 158 10385
Loudspeaker		
Ceramic resonator 452 kHz		
Ceramic resonator 460 kHz		
Fuse 50 mA-slow		
Potentiometer volume control		
-TS- 		
TS1,2,3 BF194/02	C2,5,16,19,28	Cap. 10 nF 4822 122 30043
TS4 BF195	C6,18,20, 23,30	Cap. 50 nF 4822 122 31152
	C7,9	Cap. 680 pF 4822 122 30053
	C12,31,32, 33,35	Cap. 3.3 nF 4822 122 30099
	C13,14	Cap. 6.8 pF 4822 122 31049
	C24,29	Cap. 3 nF 4822 121 50414
	C26	Cap. 150 pF 4822 122 31085
	C27,37,39	Cap. 180 pF 4822 122 30113
	C43,45	Elco 47 μ F - 16 V 4822 124 20477
D1 BA102/B	C44	Elco 2.2 μ F - 16 V 4822 124 20482
D2 BA216	C46	Elco 470 μ F - 16 V 4822 124 20527
D3,4 Pair 2xAA119	C47	Elco 2000 μ F - 25 V 4822 124 20621
D5 Rectifier	C48	Elco 1000 μ F - 16 V 4822 124 20524
IC		
TBA 120/S		
TAA 611/C		



6202A